

103498

June-24-13 1:56:57 PM

N900040100

Setup Start ***NS1***

Stop *NS2*

Cust Item ID:

Customer:

Run Start *NR1*

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Draw Nbr	Revision Nbr	
DSI 9564	A	

0.00 DAS
6
9-88

100

DOCUMENT CONTROL

0.00

DC

Memo

Document Control

Photocopy bluefile and create labels per PPP D350-561-241 CHG001

0.00

105

Pick Kit

0.00

Packaging

Memo

Packaging

0.00

110

QC4- 100% Inspect kits for completeness

0.00

110

QC

Memo

Quality Control

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 103498

103498

Page 2

June-24-13 1:56:57 PM

Item ID: D350-561-241 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Single Mirror Installation LH
 Start Date: 6/24/13 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 7/05/13 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120		0.00							
120	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-561-241								
130									
130	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

Handwritten signature and date: 13-10-10

Handwritten date: 13-10-10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
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Picklist Print

June-24-13 1:56:54 PM

Work Order ID: 103498
 Parent Item: D350-561-241
 Parent Item Name: Single Mirror Installation LH

Start Date: 6/24/13
 Start Qty: 1.00
 Required Date: 7/05/13
 Required Qty: 1.00

Comments: IPP revA 11.07.12 new issue EC verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2011-101 MIRROR DAS 6 9-89		Manufactured	No				Each	74.0000	1	1			DAS 26 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST179			50						
				100741			50						
				ST229			24						
				89784			14						
				98267			10						
D2012-106 Arm DAS 6 9-89		Manufactured	No				Each	4.0000	1	1			DAS 26 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST227			4						
				103059			4						
D2012-107 Clevis DAS 6 9-89		Manufactured	No				Each	6.0000	1	1			DAS 26 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				WA004			6						
				98258			5						
				99578			1						
D2012-111 Bracket DAS 6 9-89		Manufactured	No				Each	5.0000	1	1			DAS 26 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST003			5						
				82591			5						

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

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Page 2

Work Order ID: 103498

Parent Item: D350-561-241

Parent Item Name: Single Mirror Installation LH

Start Date: 6/24/13

Required Date: 7/05/13

Start Qty: 1.00

Required Qty: 1.00

DAS

D2012-115

Manufactured No

Each 12.0000

1

26
9-89

Bracket, Clevis

DAS
6
9-89

Location

Loc Qty

Loc Code

ST002

10

94760

10

1X

ST003

2

90164

2

DAS
31
9-89

D2022-101

Manufactured No

Each 191.0000

2

DAS
26
9-89

SPACER

DAS
6
9-89

Location

Loc Qty

Loc Code

ST004

191

100480

60

101748

38

92861

33

98450

60

2X

DAS
26
9-89

D3629-1

Manufactured No

Each 14.0000

1

DAS
31
9-89

Bracket

DAS
6
9-89

Location

Loc Qty

Loc Code

ST061

14

94588

14

1X

DAS
26
9-89

D3635-1

Manufactured No

Each 53.0000

1

DAS
31
9-89

Gasket

DAS
6
9-89

Location

Loc Qty

Loc Code

ST061

53

94552

53

1X

DAS
26
9-89

D3646-2

Manufactured No

Each 2.0000

1

DAS
31
9-89

Arm

DAS
6
9-89

Location

Loc Qty

Loc Code

ST227

2

93501

2

13-10-9
B105082

June-24-13 1:56:56 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Doc/Data									
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Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Page 3

June-24-13 1:56:56 PM

Work Order ID: 103498

Parent Item: D350-561-241

Parent Item Name: Single Mirror Installation LH

Start Date: 6/24/13

Required Date: 7/05/13

Start Qty: 1.00

Required Qty: 1.00

D3646-4
Arm

Manufactured No

Each 6.0000

1

DAS 26 9-89 DAS 31 9-89

DAS 6 9-89

Location Loc Qty Loc Code

ST227 6

102942 6

D4070-041
Clamp

Manufactured No

Each 10.0000

1X
2 B102950

DAS 26 9-89 DAS 31 9-89

DAS 6 9-89

Location Loc Qty Loc Code

ST457 10

100955 6

90095 4

AN3-5A
Bolt

Purchased No

Each 826.0000

6 13-10-8

DAS 26 9-89 DAS 31 9-89

DAS 6 9-89

Location Loc Qty Loc Code

FP001 32

122800 32

GA 120

117423 120

ST350 22

120187 22

ST512 652

115057 3

122416 19

124561 630

6X

June-24-13 1:56:56 PM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
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Doc/Data									
Equip/Tooling									
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Material									
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Process									
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Transport									
Unapproved									

FAULT CATEGORY

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Picklist Print

June-24-13 1:56:56 PM

Page 4

Work Order ID: 103498

Parent Item: D350-561-241

Parent Item Name: Single Mirror Installation LH

Start Date: 6/24/13

Required Date: 7/05/13

Start Qty: 1.00

Required Qty: 1.00

AN3-6A
Bolt

Purchased No

Each 255.0000

① m/26400
DAS 26 9-89

DAS 6 9-89

Location	Loc Qty	Loc Code
ST350	184	
112720	2	
124296	174	
M126073	8	
ST351	61	
117441	34	
121166	13	
122993	10	
123831	4	
ST512	10	
122814	10	

DAS 31 9-89

AN4-5A
BOLT

Purchased No

Each 341.0000

③ 3
DAS 26 9-89 DAS 31 9-89

DAS 6 9-89

Location	Loc Qty	Loc Code
ST355	158	
120562	158	
ST514	183	
120562	183	

3X

AN4-10A
BOLT

Purchased No

Each 147.0000

①
DAS 26 9-89 DAS 31 9-89

DAS 6 9-89

Location	Loc Qty	Loc Code
ST355	100	
M126105	100	
ST356	47	
122800	4	
123525	43	

1X

DAS 6 9-89
AN960JD10
WASHER

NAS1149D0363J Purchased No

Each 0.0000

⑧ m/26319
⑧ m/26221
DAS 26 9-89 DAS 31 9-89

DAS 6 9-89
AN960JD416
Washer

NAS1149D0463J Purchased No

Each 0.0000

B-10-8

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Shop Packet Print

Page 4

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Work Order: _____ Part No. _____ -NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
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Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____ _____
--	--	--

Picklist Print

June-24-13 1:56:56 PM

Page 5

Work Order ID: 103498

Parent Item: D350-561-241

Parent Item Name: Single Mirror Installation LH

Start Date: 6/24/13

Required Date: 7/05/13

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Nut

Purchased No

Each 3,831.0000

4 m126333

DAS
6
9-89

Location	Loc Qty	Loc Code
FP001	3	
122141	3	
GA	18	
122452	18	
ST314	2063	
111668	1	
117885	32	
119017	55	
119075	138	
123265	43	
M126036	1794	
ST506	1747	
123900	954	
124291	793	

DAS
26
9-89

DAS
31
9-89

MS21042L4

Nut

Purchased No

Each 2,796.0000

4 m126275
B-108

DAS
6
9-89

Location	Loc Qty	Loc Code
FP001	50	
122452	38	
8182	12	
ST314	1000	
m125708	1000	
st507	1508	
125535	532	
m126073	976	
ST518	238	
124231	238	

DAS
26
9-89

DAS
31
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
--	--	---

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____ _____
--	--	--

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS: D350-561 REV. D

REF CANADIAN STC: SH91-20

REF FAA STC: SH856NE

REF EASA STC: 10017074

PURPOSE:

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI) IS TO ADD THE D350-561-241/-243 LEFT HAND (LH) MIRROR INSTALLATIONS TO THIS APPROVAL. THE LH AND RH MIRROR INSTALLATIONS ARE NOT PERMITTED TO BE INSTALLED SIMULTANEOUSLY.

PROCEDURE:

USING THE COMPONENTS IN THE PARTS LIST OF THIS DSI, INSTALL D350-561-241/-243 MIRROR INSTALLATIONS OPPOSITE TO THE D350-561-141/-143 MIRROR INSTALLATIONS SHOWN IN D350-561, WITH THE FOLLOWING EXCEPTION:

REFERING TO PAGE 7, DETAIL B OF INSTALLATION INSTRUCTIONS D350-561, REPLACE THE AN3-4A BOLTS WITH AN3-5A BOLTS.

PARTS LIST:

QTY. -045	QTY. -241	QTY. -243	PART NUMBER	DESCRIPTION
X		1	D350-561-045	MIRROR KIT
	X	1	D350-561-241	SINGLE MIRROR INSTALLATION, LH
		X	D350-561-243	DUAL MIRROR INSTALLATION, LH
1	1		D2011-101	MIRROR
	1		D2012-106	ARM (REPLACES D2012-105 FOR LH INSTL)
	1		D2012-107	CLEVIS
	1		D2012-111	BRACKET
2			D2012-113	CLAMP
	1		D2012-115	BRACKET
	2		D2022-101	SPACER
1*	1*		D3014-1	LOCKNUT
	1		D3629-1	BRACKET

(ADD)

(ADD)


PARTS LIST CONTINUES ON SHEET 2

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.07.12
CERT. NO.: SH91-20
ISSUE NO.: 3

A	NEW ISSUE	AJS	11.07.12
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9564	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		ADD LH INSTALLATION	NTS
DATE	11.07.12	COPYRIGHT © 2011 BY DART AEROSPACE LTD	
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CONTINUED FROM SHEET 1

QTY. -045	QTY. -241	QTY. -243	PART NUMBER	DESCRIPTION
X		1	D350-561-045	MIRROR KIT
	X	1	D350-561-241	SINGLE MIRROR INSTALLATION, LH
		X	D350-561-243	DUAL MIRROR INSTALLATION, LH

(ADD)

(ADD)

	1		D3635-1	GASKET
2			D3635-3	GASKET
	1		D3646-2	ARM (REPLACES D3646-1 FOR LH INSTL)
	1		D3646-4	ARM (REPLACES D3646-3 FOR LH INSTL)
	2		D4070-041	CLAMP
2	6		AN3-5A	BOLT
	1		AN3-6A	BOLT
	1		AN4-10A	BOLT
	3		AN4-5A	BOLT
4	8		AN960JD10	WASHER
2	8		AN960JD416	WASHER
1*	1*		AN960JD416L	WASHER
2	4		MS21042L3	NUT (or MS21042-3)
	4		MS21042L4	NUT (or MS21042-4)

*INCLUDED AS PART OF D2011-101 MIRROR

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 11.07.12
CERT. NO.: SH91-20
ISSUE NO.: 3

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9564	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	ADD LH INSTALLATION	NTS
DATE 11.07.12		COPYRIGHT © 2011 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

103438

5. PARTS LIST

Qty -041	Qty -043	Qty -045	Qty -141	Qty -143	Qty -241	Qty -243	Part Number	Description
X	1						D350-561-041	SINGLE MIRROR INSTALLATION, RH
	X						D350-561-043	DUAL MIRROR INSTALLATION, RH
	1	X		1		1	D350-561-045	MIRROR KIT
			X	1			D350-561-141	SINGLE MIRROR INSTALLATION, RH
				X			D350-561-143	DUAL MIRROR INSTALLATION, RH
					[X]	1	D350-561-241	SINGLE MIRROR INSTALLATION, LH
						X	D350-561-243	DUAL MIRROR INSTALLATION, LH
1		1	1		[1]		D2011-101	Mirror
1							D2012-101	Arm
1							D2012-103	Arm
1			1				D2012-105	Arm
							D2012-106	Arm
2			1		[1]		D2012-107	Clevis
1							D2012-109	Bracket
1			1		[1]		D2012-111	Bracket
4		2					D2012-113	Clamp
1			1		[1]		D2012-115	Bracket
4			2		[2]		D2022-101	Spacer
4							D2856-100-325	Abrasion Strip
1*		1*	1*		1*		D3014-1	Locknut
			1		[1]		D3629-1	Bracket
			1		[1]		D3635-1	Gasket
		2					D3635-3	Gasket
			1				D3646-1	Arm
					[1]		D3646-2	Arm
			1				D3646-3	Arm
					[1]		D3646-4	Arm
			2		[2]		D4070-041	Clamp
2							AN3-4A	Bolt
2		2	6		[6]		AN3-5A	Bolt
1			1		[1]		AN3-6A	Bolt
2			1		[1]		AN4-10A	Bolt
3			3		[3]		AN4-5A	Bolt
14		4	8		[8]		AN960JD10	Washer
9		2	8		[8]		AN960JD416	Washer
1*		1*	1*		1*		AN960JD416L	Washer
5		2	4		[4]		MS21042L3	Nut (or MS21042-3)
5			4		[4]		MS21042L4	Nut (or MS21042-4)

*INCLUDED AS PART OF D2011-101 MIRROR